

TABLE 14

GRAPHICAL COMPARISON OF FUELS

Low
High

Producer gas (mixed) SC-DSW.

B.t.u. per cubic foot= 142
152

Calori

es per m³ = 1265
1352Weight = 1 kg 126 per m³ =
0.0703 lb per cubic foot.

Composition Volumetric	Products of Combustion per 100 Volumes of Gas				Percentage Basis (Wet)			
	Air Supply in Percentage of Theoretical Requirements							
	100 %	120 %	140 %	180 %	100 %	120 %	140 %	180 %
H-> 12								
CHi 2								
CvHt 0								
CO 21								
O>	0.00	4.54	9.09	18.1	0.00	2.06	3.75	6.3
CO ₂	30.8	30.8	30.8	30.8	15.6	14.0	12.7	10.7
H.O	21.9	21.9	21.9	21.9	11.1	9.97	9.03	7.6
N ₂	144.	162.	180.	217.	73.2	73.9	74.5	75.3
Total 100.00	197.	219.	242.	288.				
Air supply	113	136	159	204				
Weight kg per lb per cubic	1.31 0			1.28 0				
					Percentage Basis			
				O ₂	0.00	2.29	4.12	6.8
				CO ₂	17.6	15.5	13.9	11.5
				N ₂	82.4	82.1	81.9	81.5
					0	3	1	8